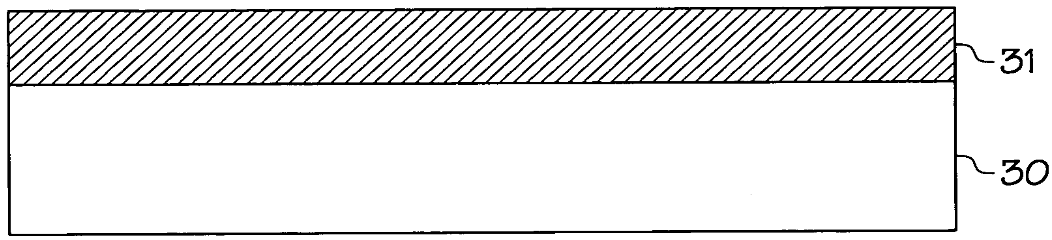


FIG. 1A

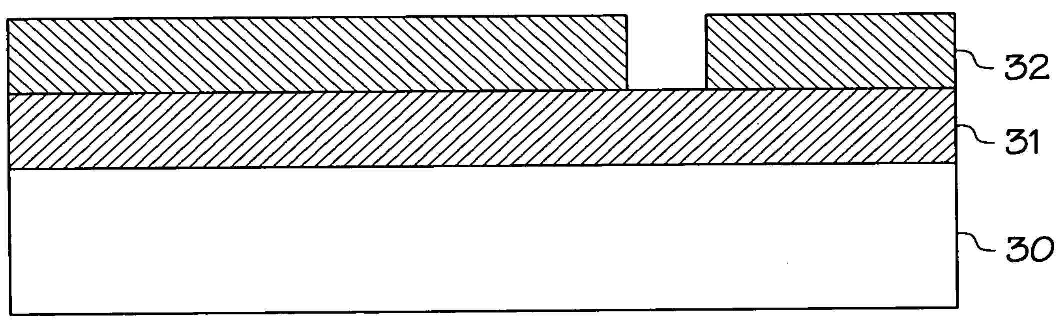


FIG. 1B

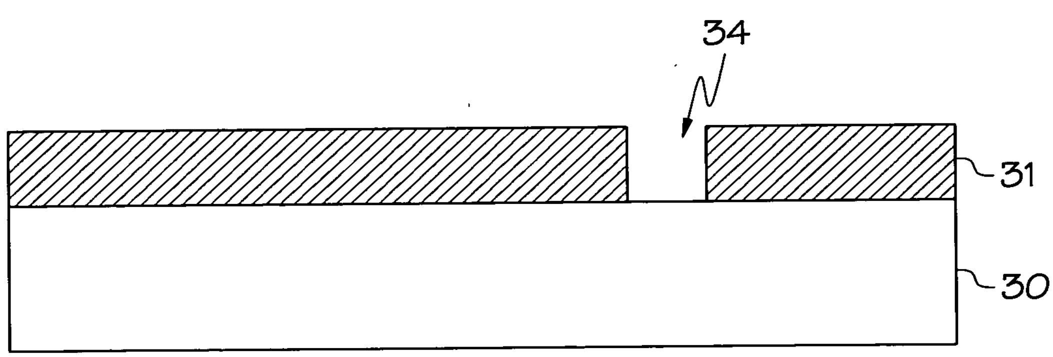


FIG. 1C

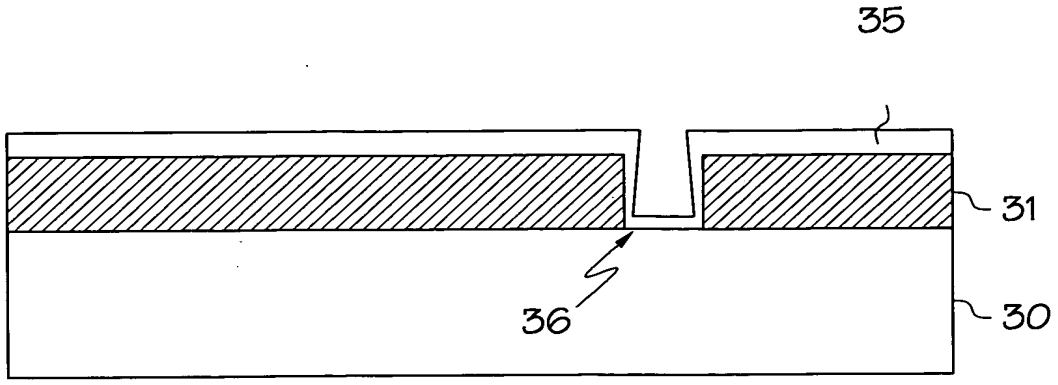


FIG. 1D

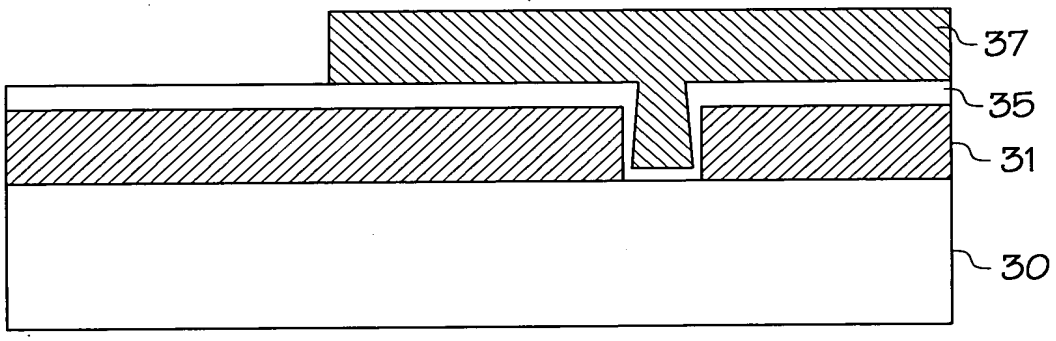


FIG. 1E

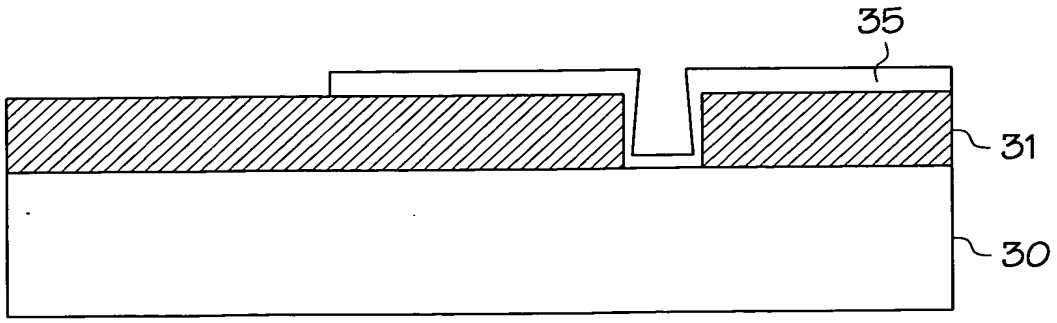


FIG. 1F

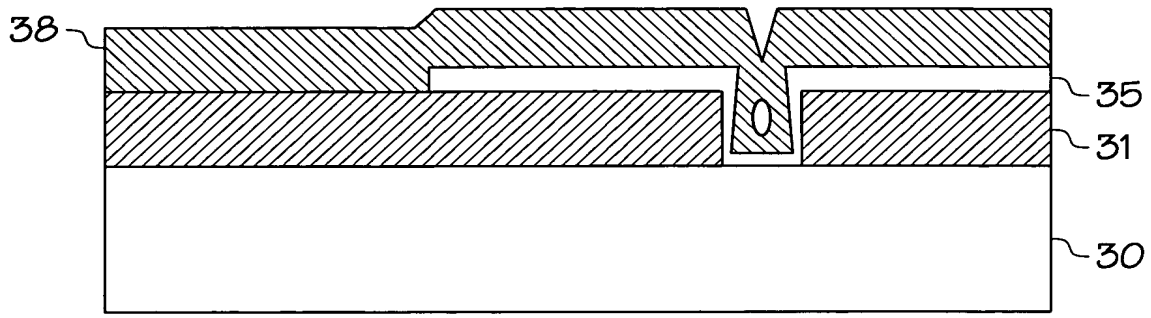


FIG. 1G

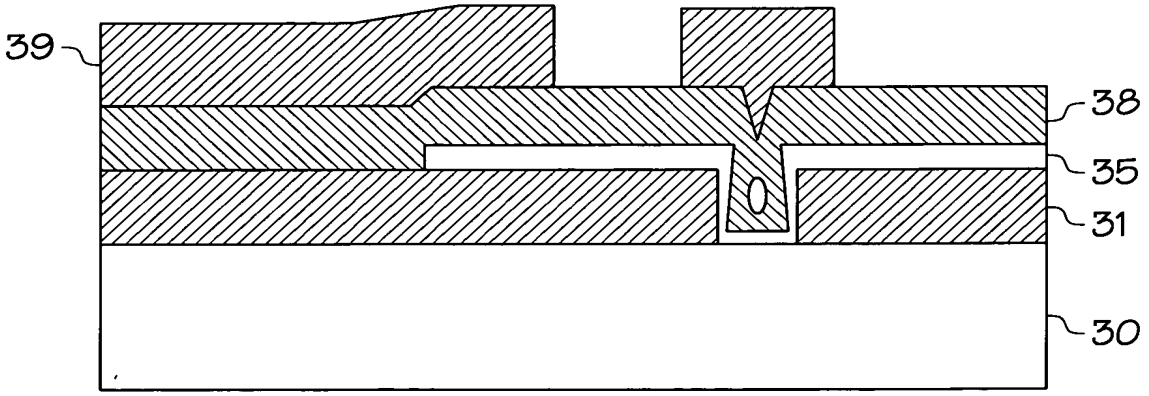


FIG. 1H

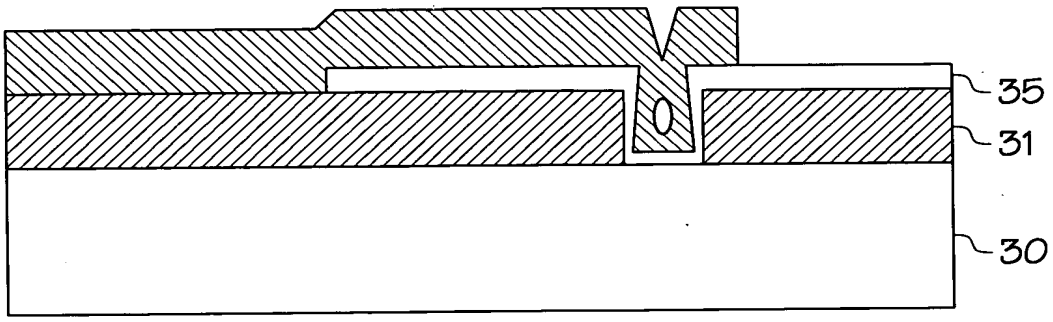


FIG. 1I

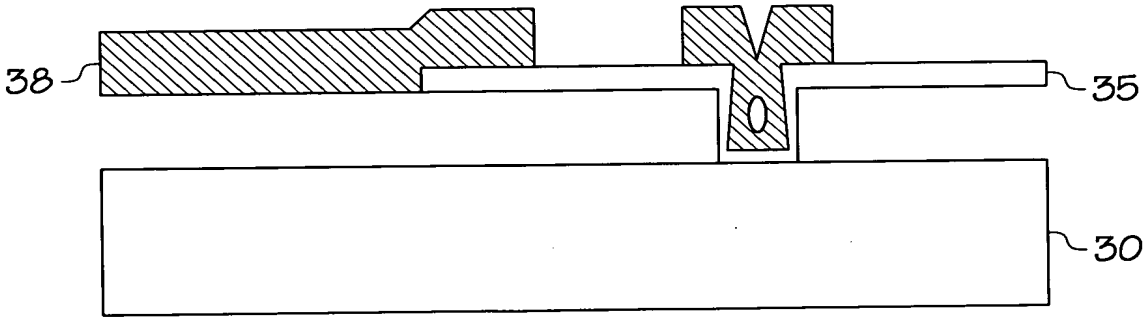


FIG. 1J

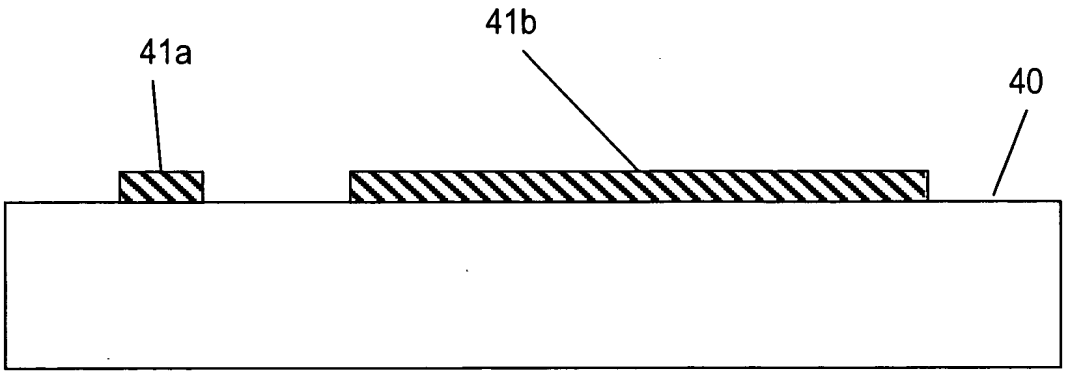


FIG. 2A

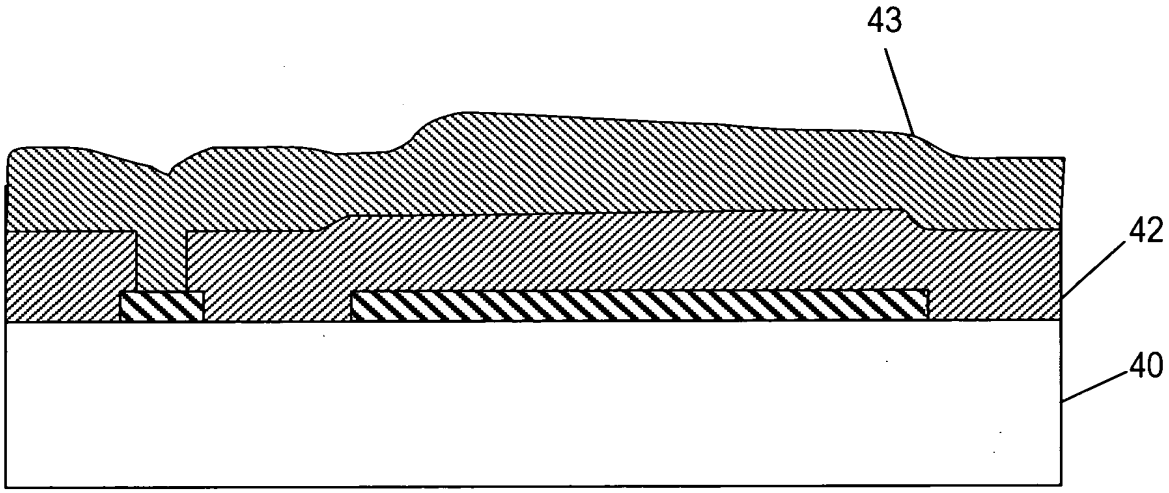


FIG. 2B

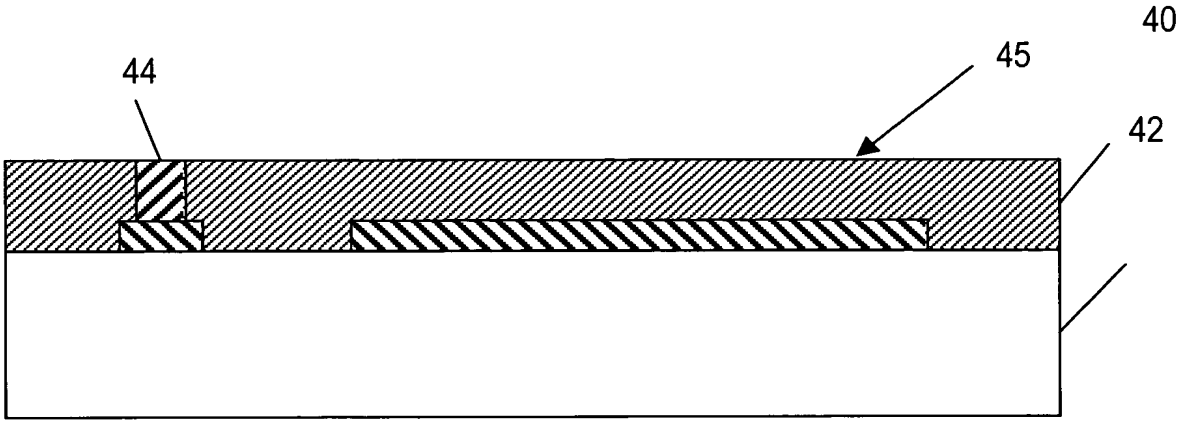


FIG. 2C

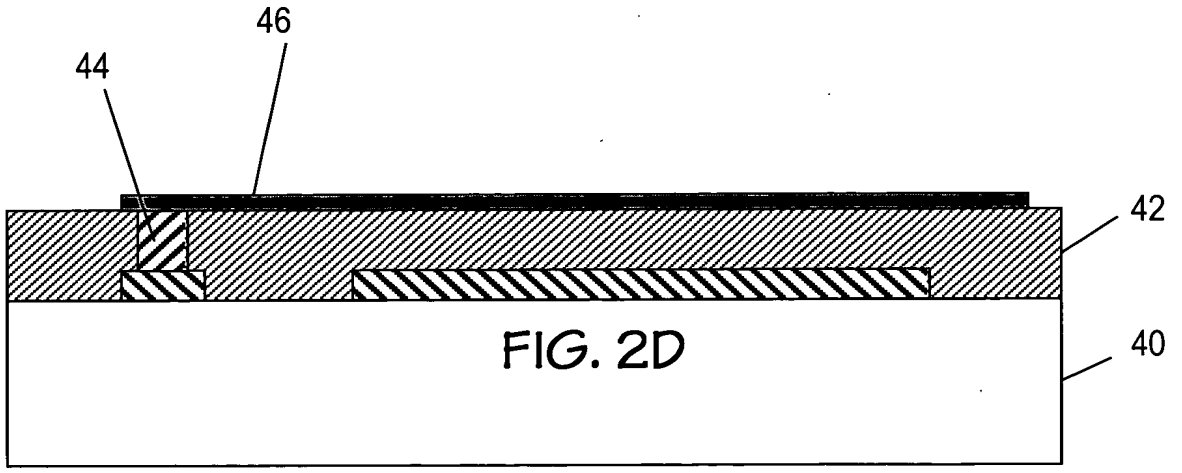


FIG. 2D

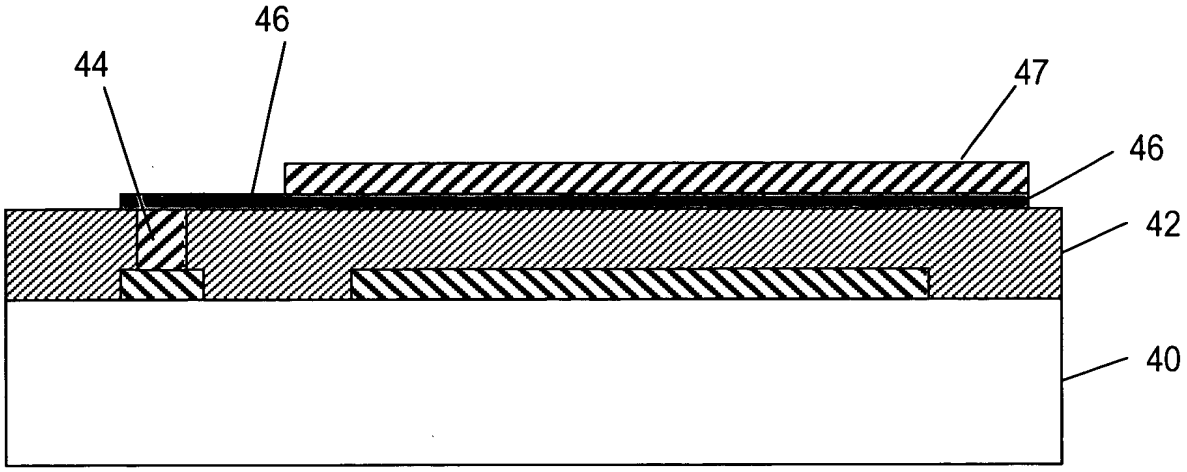


FIG. 2E

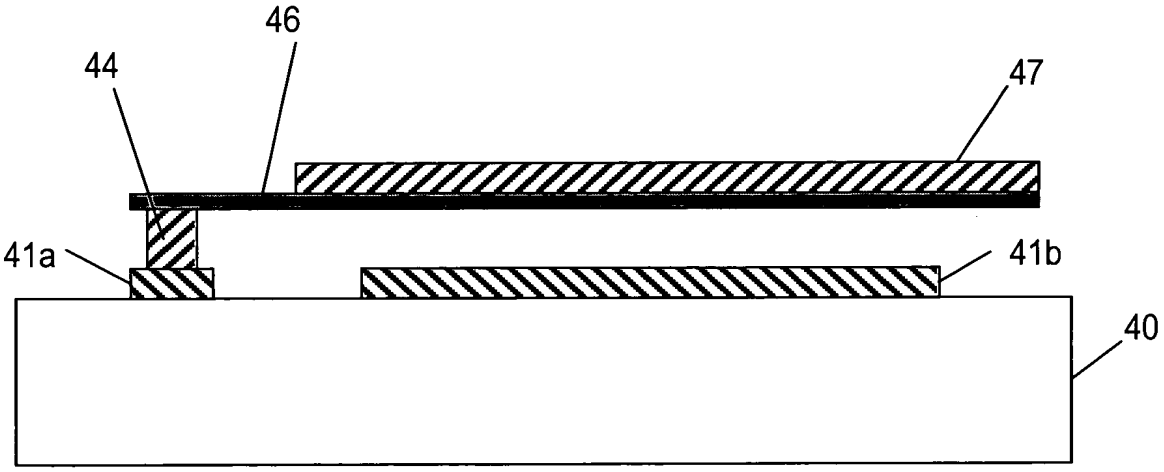


FIG. 2F

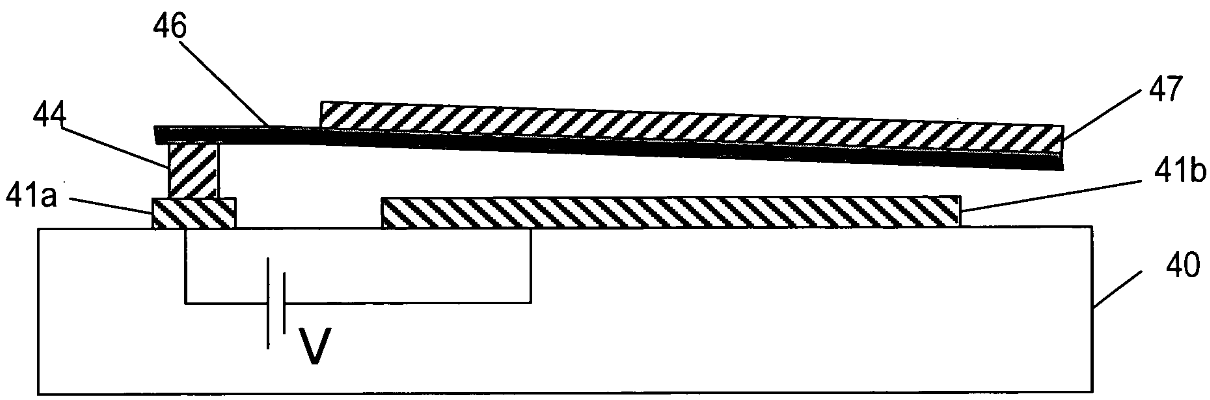


FIG. 2G

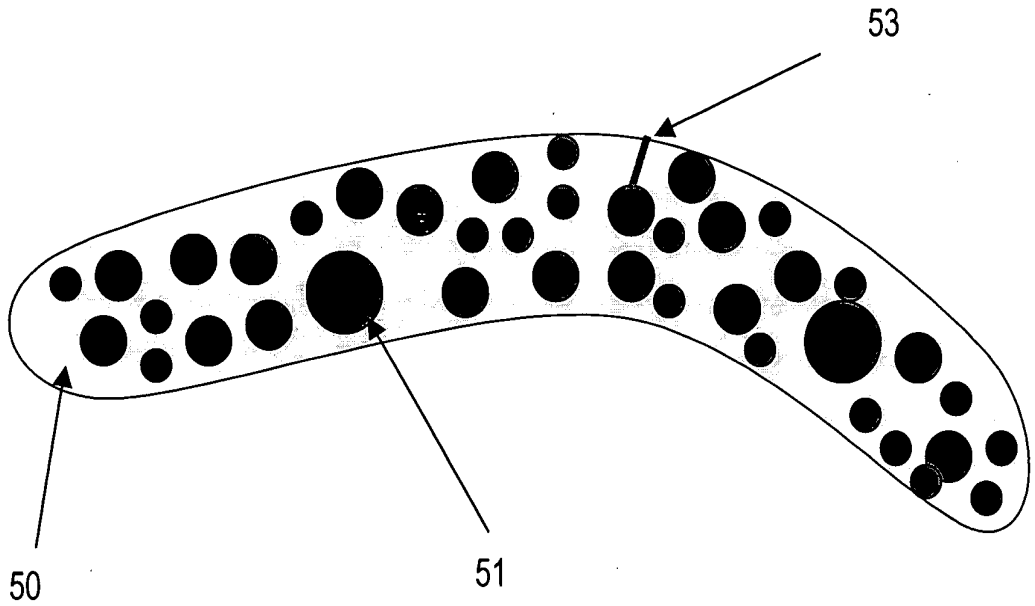
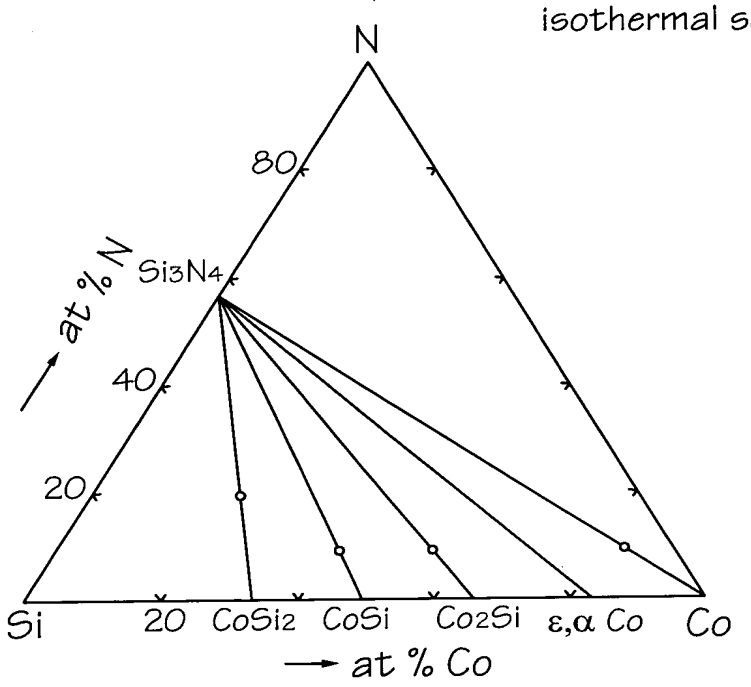


FIG. 3

Co-Si-N Isothermal Section
at 1000° C

isothermal section 1273 K

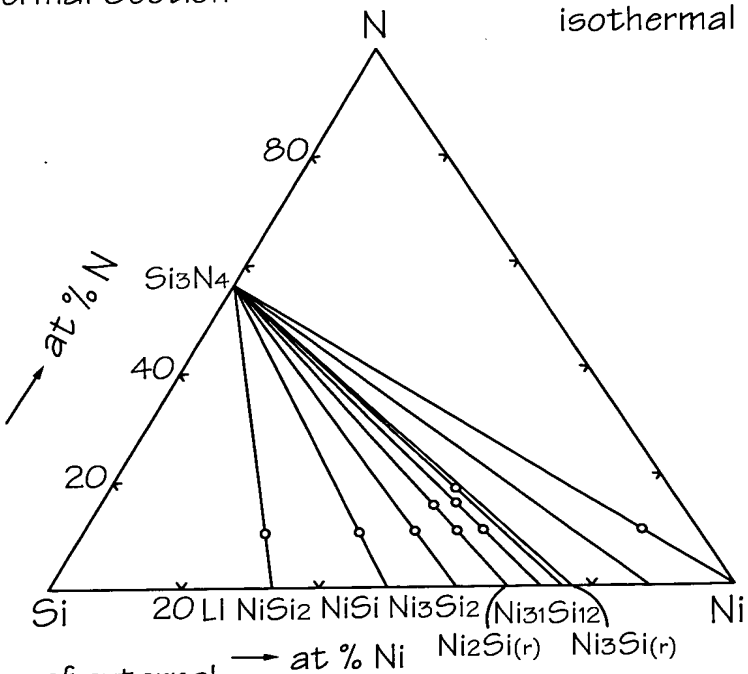


In the absence of external nitrogen pressure.

FIG. 4A

Ni-Si-N Isothermal Section
at 900° C

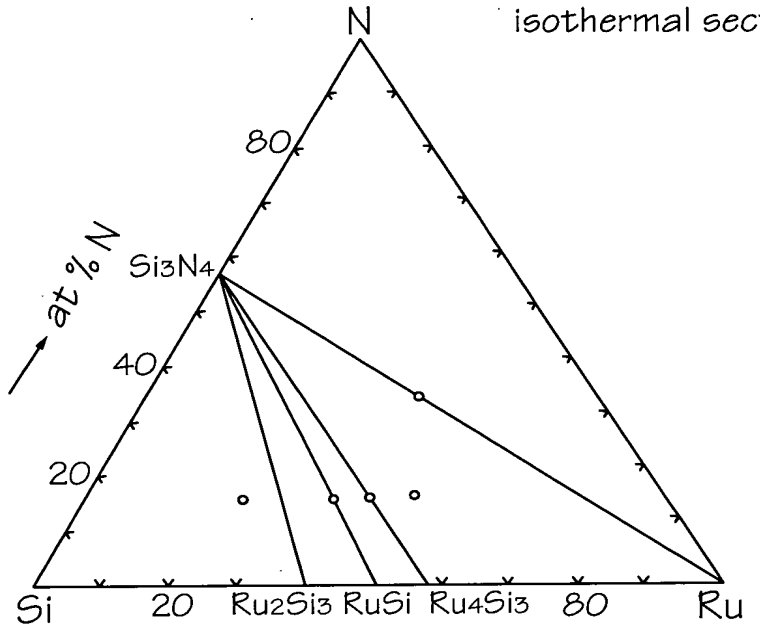
isothermal section 1173 K



In the absence of external nitrogen pressure.

FIG. 4B

Ru-Si-N Isothermal Section
at 1000°C



isothermal section 1273 K

In the absence of external nitrogen pressure.

FIG. 4C

Ag-Si-N Isothermal Section
at 900°C

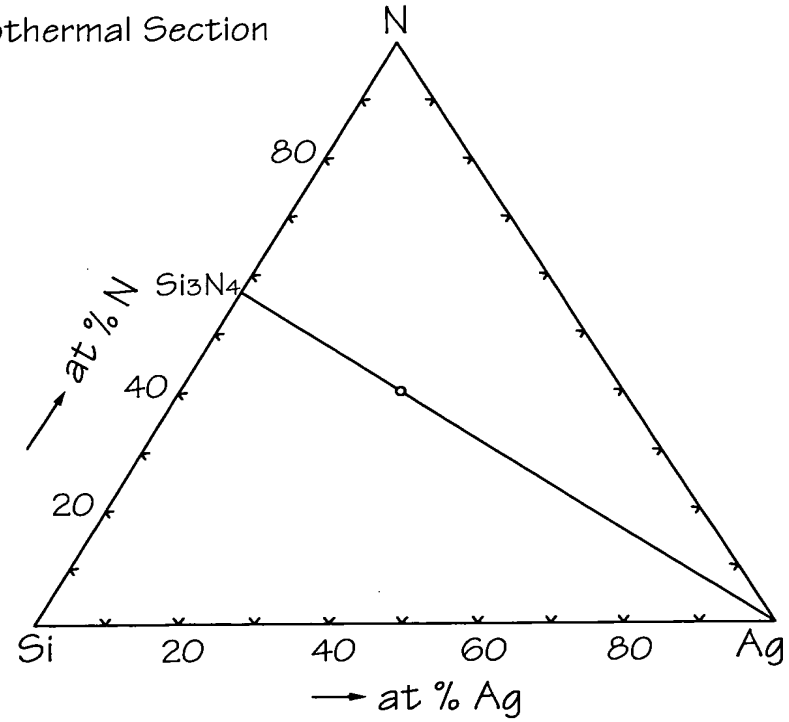


FIG. 4D

Au-Si-N Isothermal Section
at 900°C

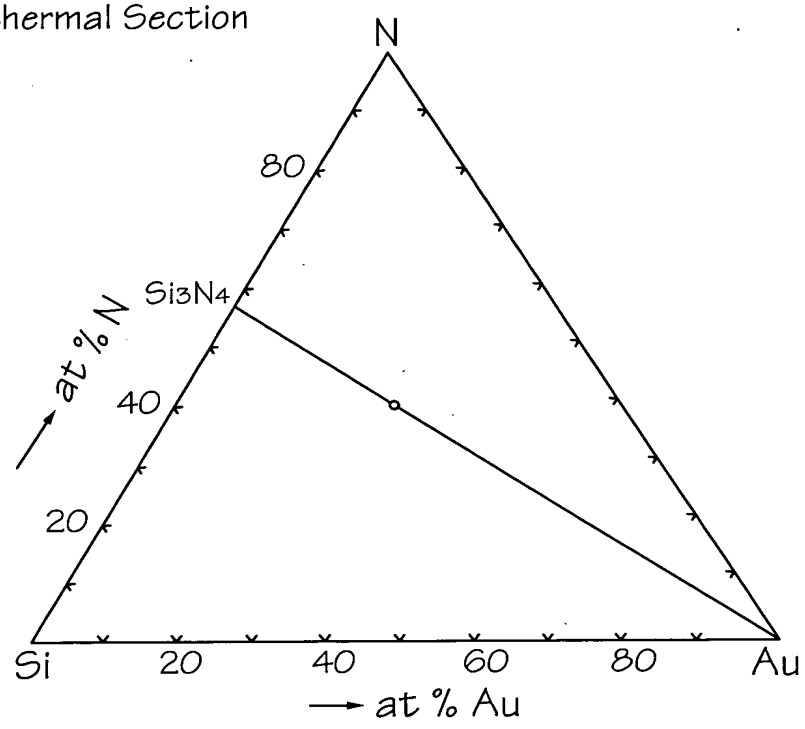


FIG. 4E

Cu-Si-N Isothermal Section
at 700°C

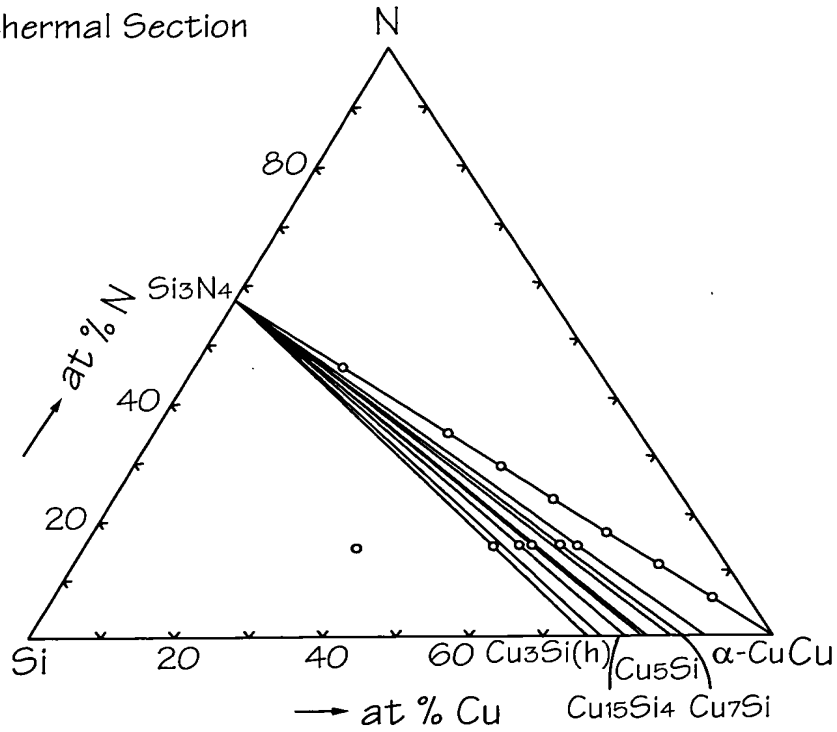


FIG. 4F

Ag-B-N Isothermal Section
at 800°C

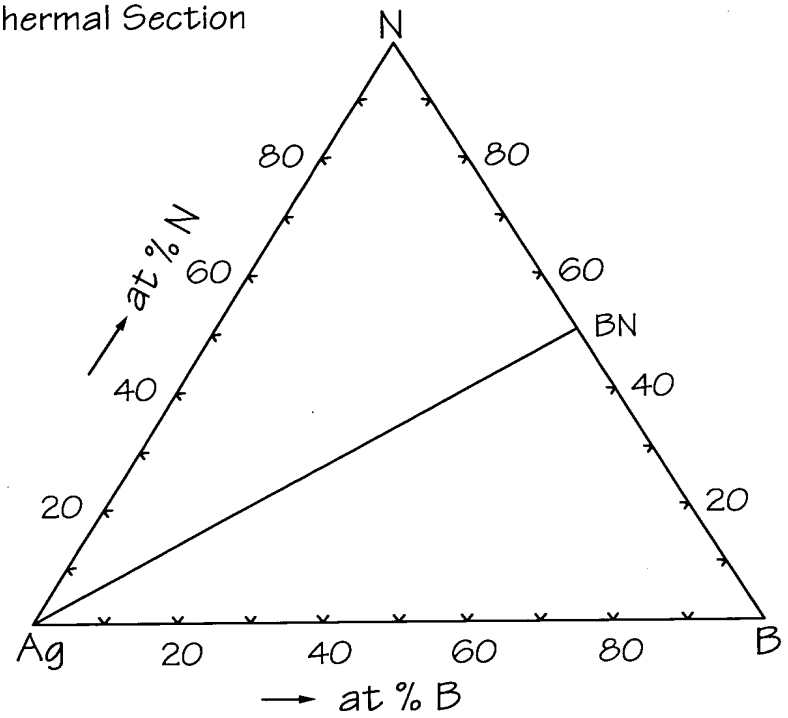


FIG. 4G

Au-B-N Isothermal Section
at 800°C

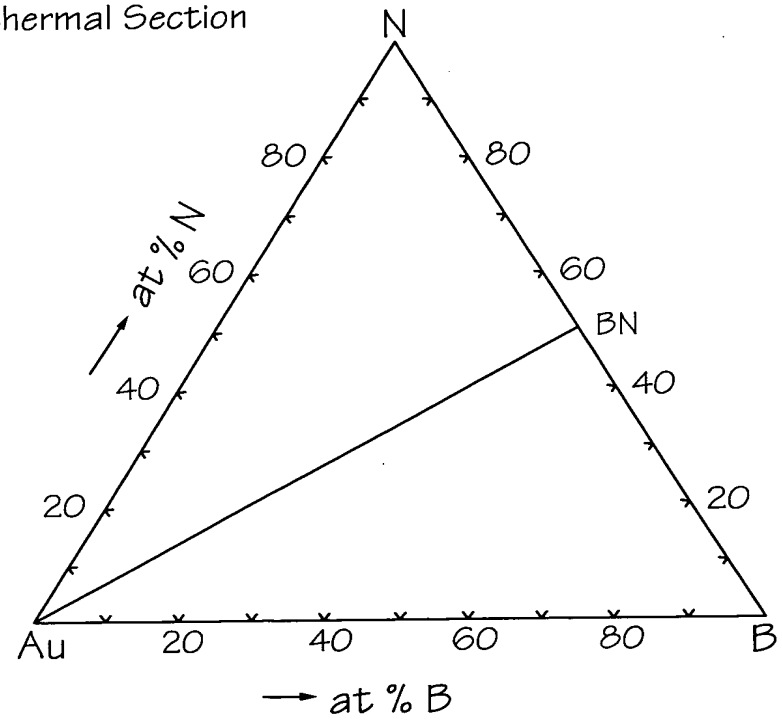
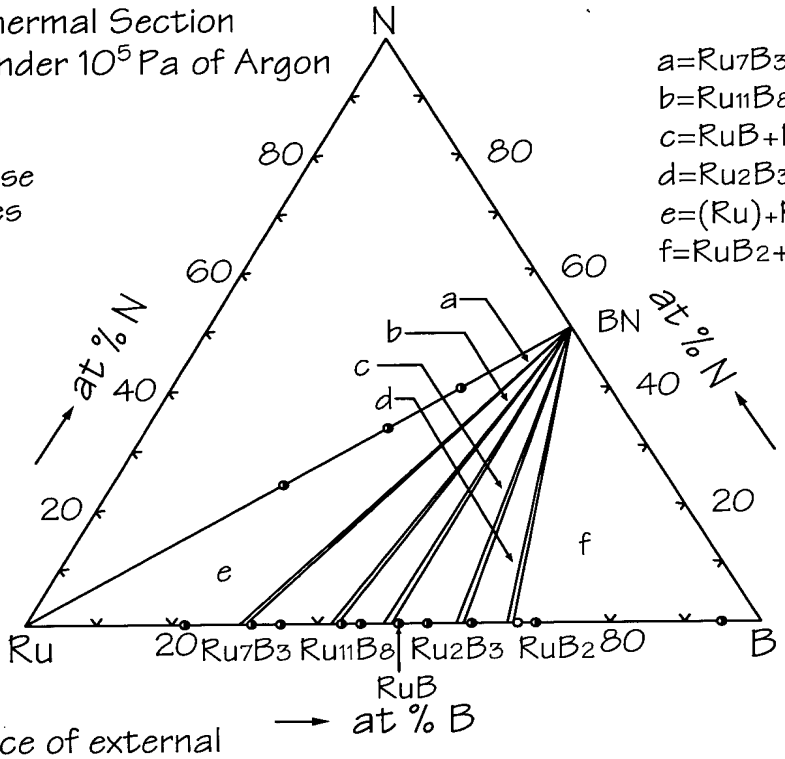


FIG. 4H

Ru-B-N Isothermal Section
at 1200°C Under 10^5 Pa of Argon

- ○ single phase
- ◐ two phases

a=Ru_7B_3+$Ru_{11}B_8$+BN
b=$Ru_{11}B_8$+RuB+BN
c=RuB+Ru_2B_3+BN
d=Ru_2B_3+RuB_2+(BN)
e=(Ru)+Ru_7B_3+BN
f=RuB_2+(B)+BN

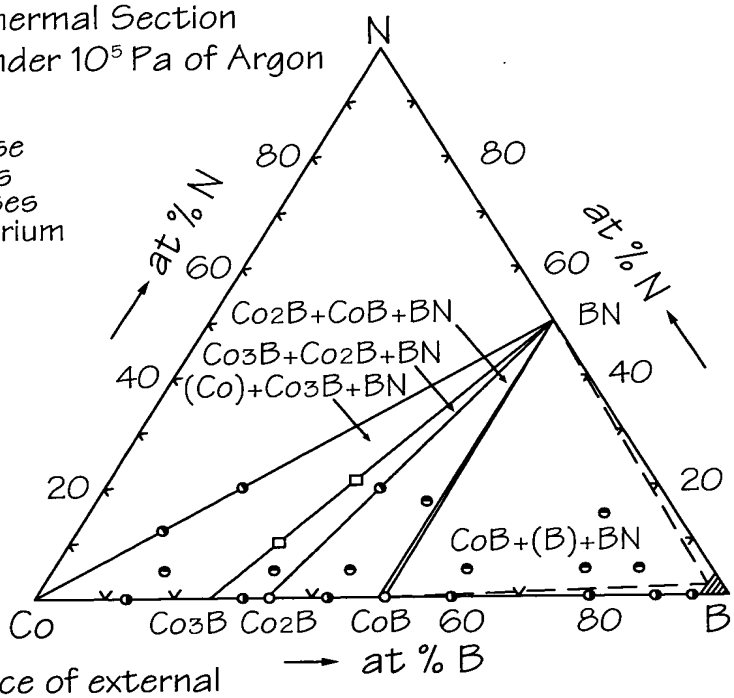


In the absence of external nitrogen.

FIG. 4I

Co-B-N Isothermal Section
at 900°C Under 10^5 Pa of Argon

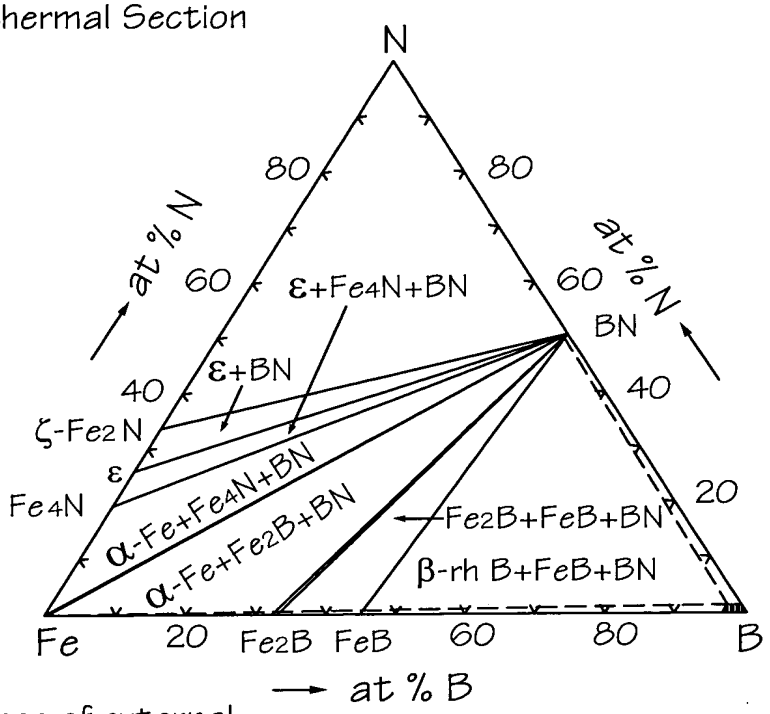
- ○ single phase
- ◐ two phases
- ● three phases
- □ non-equilibrium (no Co_3B)



In the absence of external nitrogen.

FIG. 4J

Fe-B-N Isothermal Section
at 400°C



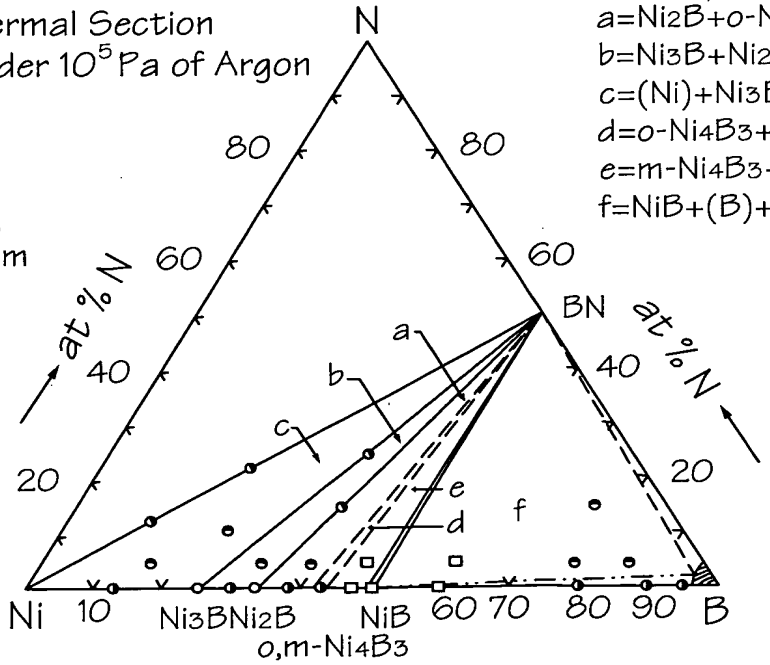
In the absence of external nitrogen.

FIG. 4K

Ni-B-N Isothermal Section
at 900°C Under 10^5 Pa of Argon

- single phase
- two phases
- three phases
- non-equilibrium

a=Ni2B+o-Ni4B3+BN
b=Ni3B+Ni2B+BN
c=(Ni)+Ni3B+BN
d=o-Ni4B3+m-Ni4B3+BN
e=m-Ni4B3+NiB+BN
f=NiB+(B)+BN



In the absence of external nitrogen.

FIG. 4L

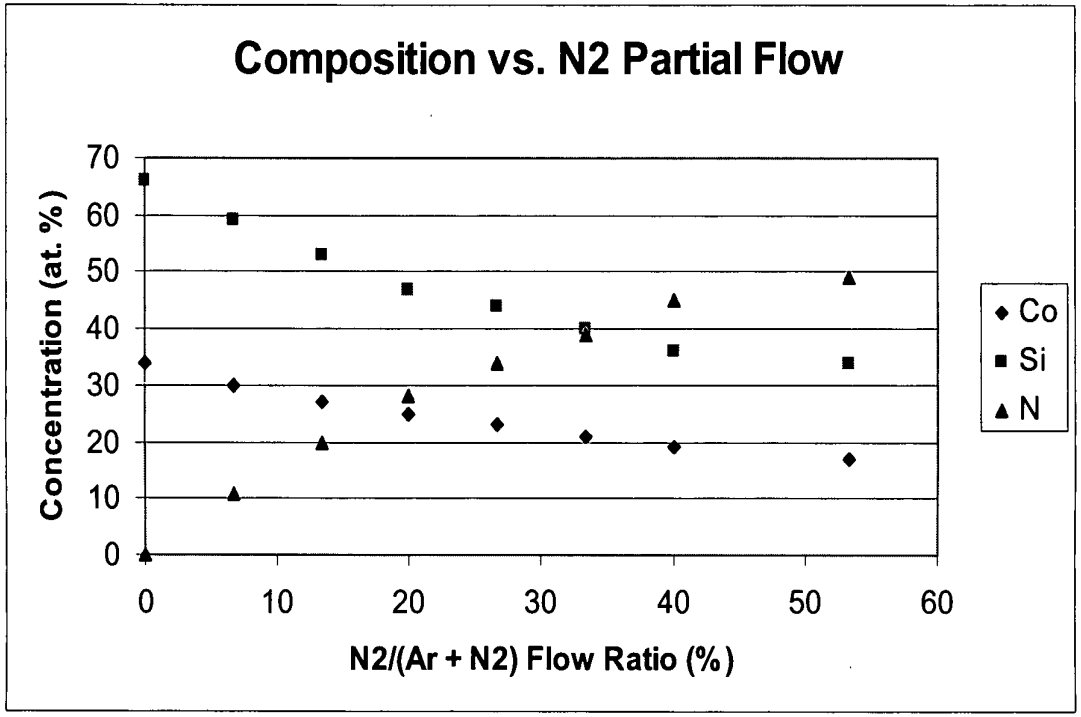


FIG. 5

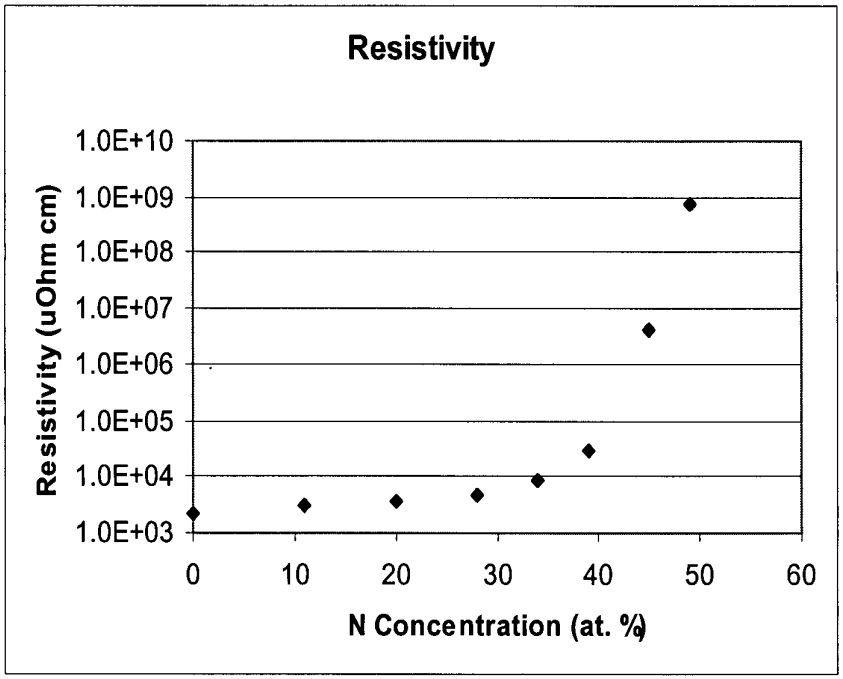


FIG. 6

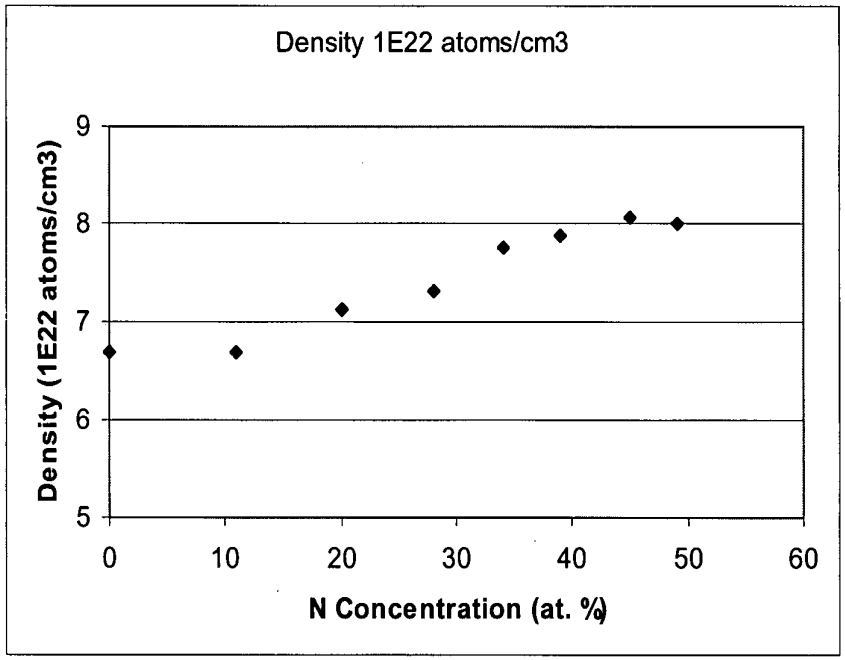


FIG. 7

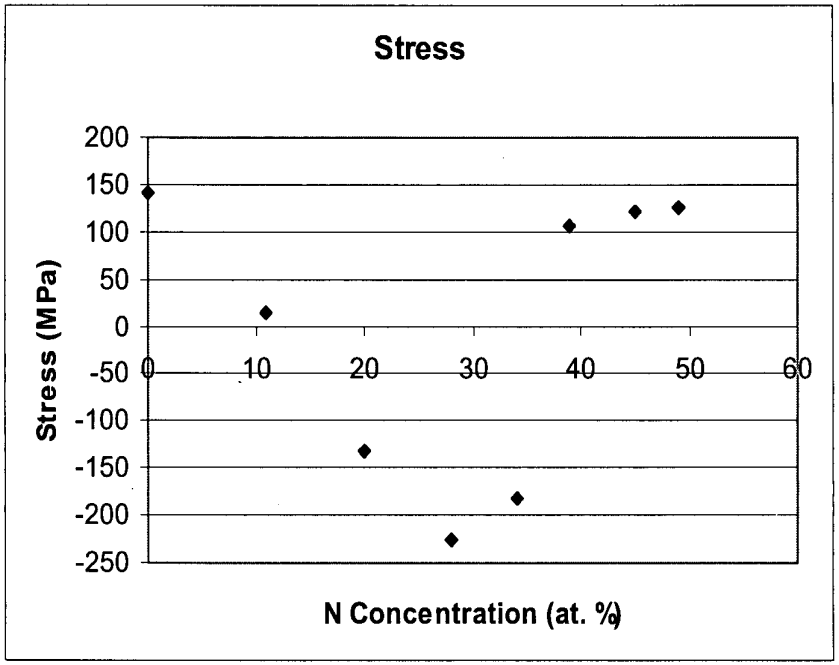


FIG. 8

	10 sccm	20 sccm	30 sccm
Cl2 base	200	230	270
CF4 base	133	202	202

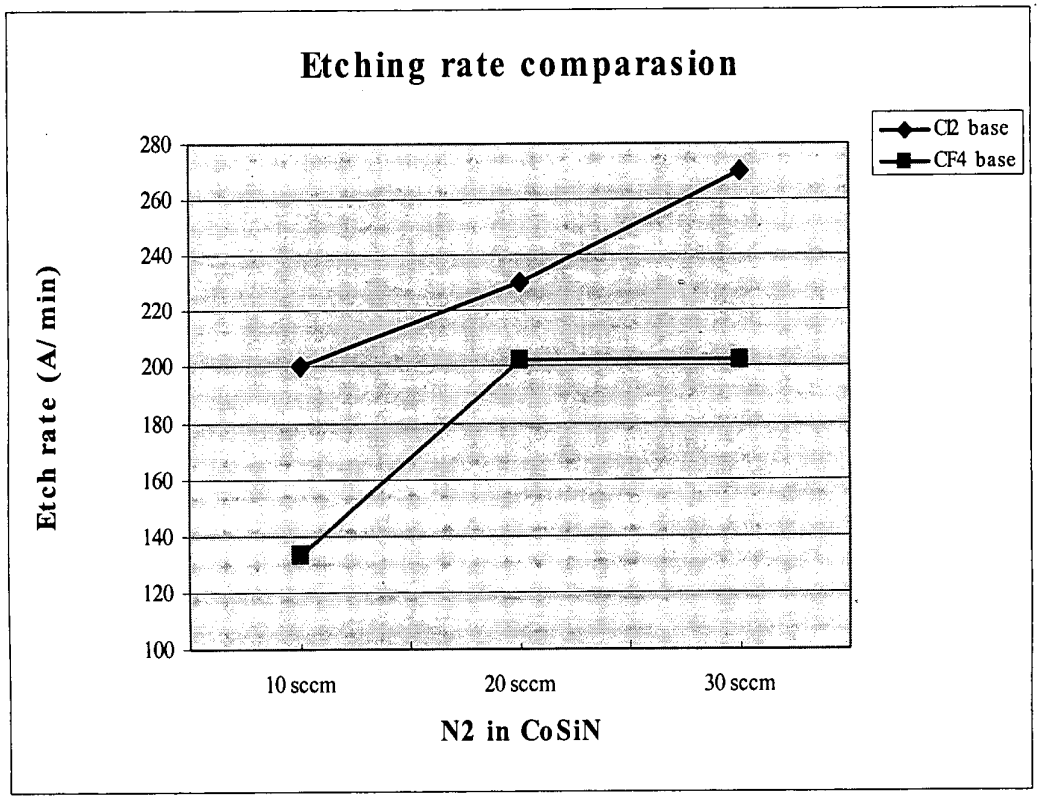


FIG. 9